Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

PROBLEMS.

35. Proposed by B. F. FINKEL, A. M., Professor of Mathematics and Physics in Drury College, Springfield, Missouri.

Find the chance that the distance of two points within a square shall not exceed a side of the square. [*Byerly's Integral Calculus, p. 209.*]

36. Proposed by O. W. ANTHONY, Professor of Mathematics and Astronomy, New Windsor College, New Windsor, Maryland.

A box contains n^2 blocks numbered from 1 to n^2. What is the probability that two consecutive numbers will be adjacent?

DIOPHANTINE ANALYSIS.

Conducted by J. M. COLAW, Monterey, Va. All contributions to this department should be sent to him.

DIOPHANTUS' EPITAPH.

Translated by Rev. WRIGHT G. CAMPBELL, A. M., Professor of Ancient Languages, Irving College, Mechanicsburg, Pennsylvania.

Here Diophantus has a mound which to you, with wonderful art, signifies the times of his life.

One-sixth part he lived a youth; then, in the twelfth part, slowly he began to clothe his cheeks.

In the seventh part after these, he was joined to a wife; and in the fifth year, a beautiful boy was born.

After he had attained half of the paternal age, he unhappy seized by sudden death, died.

Four summers the surviving father was compelled to mourn.

From this you may ascertain his years. *Contributed by F. P. Matz.*

SOLUTIONS OF PROBLEMS.

NOTE.—The comment on page 285 of last issue should have been credited to M. A. Gruber, War Department, Washington, D. C.

27. Proposed by J. W. NICHOLSON, LL. D., President, and Professor of Mathematics, Louisiana State University and A. and M. College, Baton Rouge, Louisiana.

Required a formula for finding five integers the sum of whose cubes is a cube.